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17235 U.S. PTO

December 29, 2003

ATTORNEY DOCKET NO.: INTEL1160 (P15620)

ATTN: MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new Utility patent application of:

APPLICANTS: **TAE-WOONG KOO and SELENA CHAN**

TITLE: **METHODS AND COMPOSITIONS FOR NUCLEIC ACID
DETECTION AND SEQUENCE ANALYSIS**

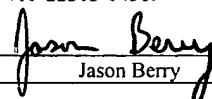
Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Specification	54
Claims	5
Abstract	1
Declaration	6
Drawing(s) – [formal]	2

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Date of Deposit: December 29, 2003

I hereby certify under 37 CFR§ 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Jason Berry

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GRAY CARY WARE & FREIDENRICH LLP

ATTORNEY DOCKET NO.: INTEL1160 (P15618)

ATTN: MAIL STOP PATENT APPLICATION

December 29, 2003

Page 2

Enclosure(s):

- Application Data Sheet (2 pages)
- Check No. 550177 in the amount of \$1,022.00
- Return Receipt Postcard
- Sequence Listing including:
 - Paper containing Sequence Listing (1 page)
 - Disk containing sequence listing
 - Verified Statement Under 37 C.F.R. § 1.821(f) (1 page)
 - Statement Under 37 C.F.R. §§ 1.821(f) (1 page)

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

	Number Filed		Number Extra		Rate			Fee	
					Large Entity	Small Entity		Large Entity	Small Entity
Total Claims	34-20	=	14	X	\$18	\$09	=	\$252.00	\$ 0.00
Independent Claims	3 -3	=	1	X	\$86	\$43	=	\$ 0.00	\$ 0.00
Multiple Dependent Claims Presented:	<u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>				\$280	\$140		\$ 0.00	\$ 0.00
	BASIC FEE							\$770.00	\$385.00
	TOTAL FEE							\$1022.00	\$0.00

Check No. 550177 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

GRAY CARY WARE & FREIDENRICH LLP

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December 29, 2003

Page 3

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

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Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP



Lisa A. Haile, J.D., Ph.D.
Registration No. 38,347

December 29, 2003

Date

LAH/EJV/kdl
Enclosures